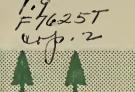
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### TECHNICAL

### NOTES



# LAKE STATES FOREST EXPERIMENT STATION U.S. DEPARTMENT OF AGRICULTURE · · FOREST SERVICE

No. 569

#### TIMBER VOLUME IN WISCONSIN COUNTIES

Wisconsin's commercial forest land supports nearly 98 million net cords of timber; 59 percent of this is in the two northern districts. Shawano County with 6,207,000 cords has more growing stock than any other county in the State. Bayfield and Forest Counties, next in order, each have between 4 and 5 million cords.

Soft hardwoods constitute 43 percent of the growing stock volume, hard hardwoods 39 percent, and conifers 18 percent. Nine-tenths of the conifer volume is in the northern and central districts. Soft hardwoods predominate in the northern two districts, and hard hardwoods in the remaining three districts.

Net sawtimber volume totals 16.3 billion board feet, three-fourths of it in hardwood species. Pine, hemlock, and sugar maple are the predominant sawlog species in the north; oaks and elms are the leading sources of sawlog volume in the central and southern districts.

Shawano County has more sawtimber than any other county in the Lake States; it has nearly 11 percent of Wisconsin's sawtimber supply.

The 1.7 billion board feet in Shawano, much of it in the Menominee Indian Reservation, is more than three times the volume in the next highest Wisconsin county.

Volume statistics for each county have been published by the Wisconsin Conservation Department in a series of Forest Inventory Reports. The volume information is repeated here in detail to facilitate its use. These statistics are part of the results of a cooperative Forest Survey conducted during 1950-58 by the Wisconsin Conservation Department and the U. S. Forest Service. Forest industries and 31 northern and central counties helped finance the survey.

The total net timber volume on commercial forest land is subject to a sampling error of  $\pm$  1.3 percent (1 standard deviation) per billion cubic feet. The sampling error for any species group, county, or district may be greater. Small figures can be considerably in error but do indicate relative size.

Volume of growing stock and sawtimber in Wisconsin by species, district, and county

(NOTE: Volumes of all conifer species are combined for the central and southern districts (next page), where they are less important than in the northern districts. The sawtimber volumes

of red and white oaks, however, are shown separately in the central and southern districts where they make up about one-fourth of the board-foot volume. Yellow birch in these areas is combined with "other hardwoods.")

	Growing stock1/								Sawtimber2/											
County	: Total	: Pine	Spruce- fir	: Tam.: and: cedar:	hem-	: Hard : hdwd.: 3/ :	hdwd.:		:White: :& red: :pine:	Hem- lock	:Other :coni- :fers	Sugar maple	Soft: maple: 5/:	Ash	Bass- wood	:Aspen:	Elm :	0ak	Yellow birch	•
			Thou	sand co	rds6/							<u>M</u> :	illion	bd. f	<u>t</u> .7/					
								NORTHY	EST DIS	TRICT										
Ashland	3,213	175	255	196	119	916	1,552	406	49	39	54	73	17	16	17	36	32	4	64	5
ayfield	4,785	542	213	90	86	894	2,960	439	109	31	51	43	20	16	21	77	14	14	30	13
Burnett	1,377	366	15	28	_	481	487	142	27	_	18	7	2	11	8	11	14	42	1	1
ouglas	2,482	314	152	61	7	416	1,532	191	43	2	38	10	8	14	6	34	15	5	6	10
ron	2,136	106	176	149	168	532	1,005	292	36	55	38	53	7	8	11	18	20	1	43	2
rice	3,239	139	181	126	177	783	1,833	386	45	56	28	56	31	15	20	40	35	7	46	7
usk	1,867	53	29	26	49	655	055,	225	19	16	5	52	13	11	24	13	32	24	14	2
awyer	3,953	281	96	75	111	1,075	2,315	454	84	38	20	74	21	17	35	44	45	37	34	:
aylor	2,296	70	59	37	179	746	1,205	310	24	57	9	42	26	27	20	16	43	15	27	4
ashburn	1,775	340	26	40		544	825	147	37		16	7	2	7	8	17	9	42	1	1
Total	27,123	2,386	1,202	828	896	6,942	14,869	2,992	473	294	277	417	147	142	170	306	259	191	266	50
								NORTH	AST DIS	TRICT										
lorence	2,330	145	123	138	253	626	1,045	465	29	94	38	105	9	10	38	19	59	10	35	19
orest	4,015	181	442	284	259	1,036	1,813	548	29	90	<b>5</b> 6	173	7	6	22	37	43	4	64	13
anglade	2,255	89	88	98	154	743	1,083	320	28	51	17	77	13	7	18	20	36	26	13	1
incoln	2,220	163	93	45	79	519	1,321	280	47	23	13	44	30	13	15	23	36	5	23	;
arinette	3,630	365	209	236	121	737	1,962	457	74	38	70	23	18	15	12	46	62	51	11	31
conto	3,107	334	165	246	126	602	1,634	460	94	42	52	33	16	19	15	37	75	32	13	3
neida	3,067	581	220	113	110	419	1,624	325	134	36	36	23	7	7	4	32	1	9	23	13
hawano	6,207	854	101	359	1,150	2,073	1,670	1,738	333	421	78	327	40	27	106	31	148	89	95	4
ilas	3,326	629	125	62	173	519	1,818	404	141	60	31	43	9	3	7	42	1	13	34	2
Total	30,157	3,341	1.566	1,581	2.425	7,274	13,970	4,997	909	855	391	848	149	107	237	287	461	239	311	203

CURPETT SERIAL RECORD

\*\* NOV 1 7 1959

U. S. DEPARTMENT OF AGRICULTURE

ROBERT N. STONE, Forester Lake States Forest Experiment Station

HARRY W. THORNE, Forester Wisconsin Conservation Department

OCTOBER 1959

	:	Growing	stock1/	:						Sawtimber2	,				
County	:	: ;	Hard	: Soft :		: :	Curan	: Soft :		: :	:	:	Red	White	Other
County	: Total	:Conifers:	- 1	: hardwoods:	Total	:Conifers:	monlo	maple : 5/ :	Ash	:Basswood:	Aspen:	Elm :	oak		hardwood
		m1							W 2.24		7/				
	Thousand cords Million bd. ft. 7/														
							CENTRA	L DISTRIC	T						
Adams	822	234	483	105	118	31	-	5	2		2	8	53	14	2
Chippewa Clark	1,226 1,579	87 88	585 712	554 779	201 264	22 22	30 43	8 13	10		10 15	39 4 <b>7</b>	47 68	24 26	2
Eau Claire	587	66	341	180	80	13	3	3	2		3	9	30	14	1
Jackson Juneau	1,350 1,054	357 241	738 591	255 222	221 187	63 43	4 7	8 10	]		5 3	8 11	89 <b>7</b> 1	37 31	5 8
Marathon	2,661	293	978	1,390	461	71	115	34	21		7	108	31	1	34
Marquette	450 1,483	39 190	346	65 228	98 314	7 40	1 18	3 7	1		1 5	3 10	61 161	19 56	1 6
Monroe Portage	907	163	1,065 503	241	159	38	7	9	6		5	13	55	17	4
Waupaca	1,291	207	613	471	255	41	23	29	20		8 2	31 10	61 49	19 17	7 2
Waushara Wood	577 768	68 141	381 345	128 282	106 149	. 13 28	2 14	5 10	5		2	21	49	15	4
Total	14,755	2,174	7,681	4,900	2,613	432	267	144	82	2 116	68	318	816	290	80
	SOUTHWEST DISTRICT														
Barron	1,256	97	608	551	238	35	23	3	7		10	37	67	24	,8
Buffalo Crawford	2,046 1,178	19 2	1,443 845	584 331	486 265	5	14 13	22 5	7		25 6	39 24	2 <b>7</b> 1 121	68 58	18 17
Dunn	1,391	89	817	485	298	32	20	13	7	7 25	11	39	104	36	11
Grant Iowa	1,552 910	18 26	1,143 691	391 193	358 220	5 10	18 5	11 3	2		7 4	29 11	169 120	69 43	22 12
LaCrosse	1,117	28	758	331	282	10	8	13	5		6	19	143	45	18
LaFayette	177	-	128	49	40	-	1	-	-	U	1	4	18	10	3
Pepin Pierce	499 <b>87</b> 6	19 12	310 50 <b>7</b>	170 357	112 216	6 4	7 26	3 8	6	_	4 9	14 38	47 77	15 18	4
Polk	1,760	167	833	760	277	37	21	5	13	3 28	11	39	79	32	12
Richland Sauk	910 1,733	2 38	549 1,221	359 474	186 403	- 10	26 20	6 13	4		4	25 32	61 203	26 59	11 18
St. Croix	485	8	278	199	86	3	9	1	3		3	13	28	13	4
Trempealeau vernon	1,062 1,572	19 3	737 1,141	306 428	210 392	5 1	4 38	8 5	5		8	16 31	114 193	34 63	8 17
Total	18,524	547	12,009	5,968	4,069	163	253	119	87		127	410	1,815	613	190
10tai	10,524	0.41	12,009	3,308	4,009	103	200	119	0.7	232	121	410	1,010	013	150
							SOUTHEA	ST DISTRI	CT						
Brown	439	47	194	198	94	8	13	4		_	2	28	13	5	13
Calumet Columbia	197 58 <b>7</b>	16 13	82 425	99 149	49 106	3 2	5 1	1 4	3	3 2 4 3	1 1	19 9	3 41	6 31	6 10
Dane	530	-	458	72	131	_	1	-		1 1	-	1	64	49	14
Dodge	231	5	131	95	64	1	4	6		7 7	_	11	14	10	4
Door Fond du Lac	1,003 188	202 11	378 102	423 <b>7</b> 5	168 44	33 2	24 4	4	8	_	9	40 12	14	4 8	26 4
Green	254	-	192	62	63	-	5	1		5 4	-	5	25	13	5
Green Lake Jefferson	215 262	7 2	143 152	65 108	48 75	2	2 6	2 7	2	2 1 9 6	_	7 16	15 18	14 9	3 4
Kenosha	44	_	39	5	11	_	-	-	-			-	5	4	2
Kewaunee	309	62	96	151	52	6	6	2		4 3	2	15	3	2	9
Manitowoc Milwaukee	679 30	166 -	225 24	288 6	148 8	39 -	20 1	5	-		4	36 -	8	4 3	17
Outagamie	453	49	151	253	89	8	10	5	6	_	3	30	11	5	9
Czaukee Racine	122 110	7 4	39 93	76 13	24 31	- 1	1 2	1	2		_	13 1	2 13	1 10	2 2
Rock	255		228	27	74	_	_	2	1		-	2	45	19	5
Sheboygan	508	87	203	218	112	21	13	4	•	_	2	32	10	7	13
Walworth Washington	150 3 <b>7</b> 8	1 11	129 200	20 167	36 99	1	- 16	1 4	1	-	_	1 34	16 13	13 11	4
Waukesha	185	3	124	58	38	-	1	1	2	2 1	-	5	14	10	4
Winnebago	176	19	103	54	44	4	2	1		2 1	1	6	15	9	3
Total	7,305	712	3,911	2,682	1,608	131	137	56	90	63	25	323	373	247	163
State total	97,864	17,658	37,817	42,389	16,279	3,925	1,922	615	508	8 878	813	1,771	(/	1,584)	1,263

State total 97,864 17,658 37,817 42,389 16,279 3,925 1,922 615 508 878 813 1,771 (4,584) 1,263 1/ Net volume of live sawtimber and poletimber trees from stump to a minimum 4.0-inch top diameter (of central stem) inside bark. Does not include limbs or cull tree volume.

Net sawtimber volume of trees of commercial species that contain at least one merchantable sawlog with a minimum top diameter inside bark of Net sawtimber volume of trees of commercial species that contain at least one merchantable sawlog with a minimum top diameter inside bark 8.0 inches. All softwood trees 9.0 inches or larger in diameter at breast height and all hardwoods 11.0 inches and larger are included.

Includes sugar maple, yellow birch, river birch, beech, oak, ash, hickory, and black walnut.

Includes aspen, red maple, silver maple, white birch, basswood, elm, balsam poplar, cottonwood, cherry, butternut, and willow.

Includes red and silver maple.

Standard survey cord of 80 cubic feet of solid wood.

Board feet by the International Log Rule, 1/4-inch kerf.

Signifies less than 500 cords or 500,000 board feet.